

III.A.2.N.c.40. QUERCUS TURBINELLA SHRUBLAND ALLIANCE

Turbinella Live Oak Shrubland Alliance

QUERCUS TURBINELLA - (AMELANCHIER UTAHENSIS) COLLUVIAL SHRUBLAND

Turbinella Live Oak - (Utah Serviceberry) Colluvial Shrubland

ELEMENT CONCEPT

GLOBAL SUMMARY: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

ENVIRONMENTAL DESCRIPTION

USFWS Wetland System: Not Applicable

Zion National Park Environment: Elevation for this association ranges between 4500 and 6500 feet on moderate to steep colluvial slopes with sandy-textured soils.

Global Environment: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

VEGETATION DESCRIPTION

Zion National Park Vegetation: This association commonly occupies the steep colluvial slopes below towering sandstone walls in the park. *Quercus turbinella* is typically dominant with 10-70% cover. *Quercus turbinella* was absent in one plot sampled, but other characteristics were similar to this association's description. The mixture of other shrubs represented in the sampled sites includes *Amelanchier utahensis*, *Arctostaphylos pungens*, *Arctostaphylos patula*, *Shepherdia rotundifolia*, *Fraxinus anomala*, *Rhus trilobata*, and *Quercus gambelii*, which may be present to abundant. Common subshrubs include *Opuntia* spp., *Yucca* spp., and *Gutierrezia sarothrae*. Pinyon and juniper trees may be present, but have insignificant cover. Common herbaceous species are inconsistent in composition and have minimal cover.

Global Vegetation: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

Global Dynamics: Information not available.

MOST ABUNDANT SPECIES

Zion National Park

<u>Stratum</u>	<u>Species</u>
TALL SHRUB	<i>Quercus turbinella</i>

Global

<u>Stratum</u>	<u>Species</u>
Information not available.	

CHARACTERISTIC SPECIES

Zion National Park

<u>Stratum</u>	<u>Species</u>
TALL SHRUB	<i>Amelanchier utahensis</i> , <i>Arctostaphylos patula</i> , <i>Arctostaphylos pungens</i> , <i>Quercus turbinella</i>

Global

<u>Stratum</u>	<u>Species</u>
Information not available.	

GLOBAL SIMILAR ASSOCIATIONS:

Information not available.

GLOBAL STATUS AND CLASSIFICATION COMMENTS

Global Conservation Status Rank: G?.

Global Comments: Information not available.

ELEMENT DISTRIBUTION

Zion National Park Range: This association occurs throughout Zion National Park on colluvial slopes below sandstone walls.

Global Range: This association has currently only been described from Zion NP in southwestern Utah.

Nations: US

States/Provinces: UT

ELEMENT SOURCES

Zion National Park Inventory Notes: Plots: RH70, 1, 106, 138, 144, 146, 513, 527, 18, 82

Classification Confidence: 3 **Identifier:** CEGL002950

REFERENCES: None available.

Note:

This association is found in two different map classes:

- 1) [Quercus turbinella - \(Amerlanchier utahensis\) Colluvial Shrubland](#)
- 2) [Mixed Mountain Shrubland Complex](#)